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Approved For Release 2006/11/13 : CIA-RDP81B00961R000100110023-5

DPD-3287-62

23 May 1962

MEMORANDUM FOR : Deputy Director (Research)

THROUGH : Acting Chief, Development Projects Division

SUBJECT :

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1. We were shown briefly the [redacted] stellar inertial guidance system during our Hartford trip on 8 May. A briefing for you by [redacted] on this device has been arranged for 31 May. This is to cover the guidance system itself followed by a description of types of covert reconnaissance satellites incorporating this guidance mechanism and [redacted] solid rocket boosters.

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2. I have attached a brief report by Convair-Fort Worth on a similar application of [redacted] guidance system to a satellite reconnaissance vehicle launched from a B-58. The Convair study originally used the Minuteman missile, but has been expanded to include also the [redacted] rocket motors.

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3. Both companies have presented their ideas to [redacted] of SSD. I think Joe Charyk is interested in the Convair B-58 launcher proposal since he had STL study the use of Minuteman in this application. [redacted] did not have accurate B-58 data, but the Convair study supplied them. Conversely the original Convair study lacked accurate Minuteman data; hence the extension into the [redacted] rocket motor area.

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4. I am told the Air Force have ruled out the [redacted] Division guidance system from the new MREBM program insofar as they judge it to be a too long lead time development.

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SIGNED

EUGENE P. KIEFER  
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Development Projects Division

Att: Convair-Fort Worth Report

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E.P.Kiefer:SA/TA/DPD:hmj (23 May 1962)

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